

Chair City - Kwantex Research - Quality Assurance

Making sure that you receive a quality product is our #1 goal! To achieve that goal consistently requires a dedication to quality from the manufacturing stage all the way to your door. At the manufacturing level, Kwantex Research has invested heavily in testing equipment and training to ensure that the products that they produce will meet your specifications and requirements.



Fasteners for the woodworking industry are tested in American hardwoods such as Red Oak, Maple, Hickory and Yellow Pine with ACQ treatment. This means that the fasteners you receive will work with the substrates that you use.

Other testing includes recess fit, torque testing, plating thickness and dimensional testing. All parts are QC checked and a Quality Report is prepared before any products are shipped.

Environmental Testing

Since many of our fasteners are designed for exterior use, Kwantex invests a lot of time and testing to ensure that you get what you are expecting. KTX Nano Coatings typically out perform many other common coatings. Below are pictures of some of the tests that are routinely conducted on any fasteners produced for exterior use.



Salt Spray Testing is a standard test for exterior grade fasteners. Products are subjected to a salt spray solution and observed for any signs of rust or corrosion at set time intervals. The result yields a certain “hours of protection” rating that can be compared with other types of coatings.



Testing fasteners with a Kesternich test subjects the fastener to humidity, heat and the effects of acid rain. This test is normally run in cycles with the tested product receiving a rating that reveals how many cycles the product can withstand before signs of rust or corrosion are detected.

Taking a step beyond is a normal process for product testing at Kwantex. While machine testing gives a reliable way of rating one fastener coating against another, nothing quite beats a “real-life” test. Here fasteners are driven in to test species of wood and exposed to the environment. Periodic evaluations are made to measure how the products hold up in real life.

